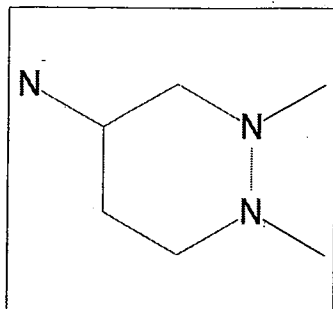


# EXHIBIT A



## Substance Identification

Beilstein Registry Number	7072873
Chemical Name	1,2-dimethyl-4-aminopiperidine
Autoname	1,2-dimethyl-hexahydro-pyridazin-4-ylamine
Molecular Formula	C <sub>6</sub> H <sub>15</sub> N <sub>3</sub>
Molecular Weight	129.20
Lawson Number	29529, 3633
Type of Substance	heterocyclic
Constitution ID	6025383
Tautomer ID	6630722
Beilstein Reference	6-25

## Field Availability List 1-5

Code	Field Name	Occ.
<u><b>RX</b></u>	Reaction	1
<u><b>CDER</b></u>	Derivative	1
<u><b>BP</b></u>	Boiling Point	1
<u><b>NMR</b></u>	NMR Spectroscopy	1
<u><b>CNR</b></u>	Reference	1

## Reaction

Reaction ID	<u><b>3979540</b></u>
Reactant BRN	<u><b>7072873</b></u> 1,2-dimethyl-hexahydro-pyridazin-4-ylamine
	<u><b>473192</b></u> 4-nitro-benzoyl chloride
Product BRN	<u><b>7080462</b></u> N-(1,2-dimethyl-hexahydro-pyridazin-4-yl)-4-nitro-benzamide
No. of Reaction Details	1
Reaction Classification	Preparation
Yield	67 percent (BRN=7080462)
Solvent	CHCl <sub>3</sub>
Other Conditions	Ambient temperature
Find similar reactions	<u><a href="#">click here</a></u>

Ref. 1	<u><b>5927638</b></u> ; Journal; Kornet, M.J.; Ali, K. Abdul-Nabi; Steinberg, Mitchell I.; JHTCAD; J. Heterocycl. Chem.; EN; 31; 4; 1994; 967-972.
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VALUE (BP) C	Pressure (.P) Torr	Entry Date	Note	Ref.
92 - 95	10			1

Ref. 1

**5927638**; Journal; Kornet, M.J.; Ali, K. Abdul-Nabi; Steinberg, Mitchell I.; JHTCAD; J. Heterocycl. Chem.; EN; 31; 4; 1994; 967-972.

## **NMR Spectroscopy**

Description

Chemical shifts

Nucleus

<sup>1</sup>H

Solvents

CDCl<sub>3</sub>

Ref. 1

**5927638**; Journal; Kornet, M.J.; Ali, K. Abdul-Nabi; Steinberg, Mitchell I.; JHTCAD; J. Heterocycl. Chem.; EN; 31; 4; 1994; 967-972.

## **Reference**

**5927638**; Journal; Kornet, M.J.; Ali, K. Abdul-Nabi; Steinberg, Mitchell I.; JHTCAD; J. Heterocycl. Chem.; EN; 31; 4; 1994; 967-972.